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Claim 34. The process for identifying therapeutic avenues related to a disease state in accordance with claim 33, wherein said therapeutic avenues regulate the presence or absence of the biopolymer selected from the group having a sequence identified as SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5 or at least one analyte thereof.

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Claim 38. A process for regulating a disease state by controlling the presence or absence of a biopolymer selected from the group having a sequence identified as SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5 or at least one analyte thereof.

REMARKS

The foregoing Supplemental Preliminary Amendment is made in conjunction with the simultaneous entry of the response to the Notice to Comply with Requirements for Patent Applications, filed concurrently herewith, so as to further bring this application into conformance with Rules 37 CFR §1.821 - 1.825. No new matter is added. Examination on the merits is respectfully requested.

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Page 46, line 8, replace “a sequence of (R)AVFPSIVGRPR(H)” with --having a sequence identified as SEQ ID NO: 1--.

Page 46, lines 10-11, replace “of (D)IPPADLSDQVPDTESETR(I)” with --identified as SEQ ID NO: 2--.

Page 46, lines 12-13, replace “of (R)THLAPYSDEL(R)” with --identified as SEQ ID NO: 3--.

Page 46, lines 14-15, replace “sequence (R)RVEPYGENFNK(A)” with --SEQ ID NO: 4--.

Page 46, line 16, replace “sequence (R)LEPYADQLR(T)” with --SEQ ID NO: 5--.

IN THE CLAIMS:

Claim 1, line 2, replace “consisting of sequence ID (R)AVFPSIVGRPR(H)” with --having a sequence of SEQ ID NO: 1--.

Claim 1, line 3, replace “(D)IPPADLSDQVPDTESETR(I)” with --SEQ ID NO: 2--.

Claim 1, line 3, replace “(R)THLAPYSDEL(R)” with --SEQ ID NO: 3--.

Claim 1, line 4, replace “(R)RVEPYGENFNK(A)” with --SEQ ID NO: 4--.

Claim 1, line 4, replace “(R)LEPYADQLR(T)” with --SEQ ID NO: 5--.

Claim 18, line 7, replace “consisting of sequence ID (R)AVFPSIVGRPR(H)” with --having a sequence identified as --SEQ ID NO: 1--.

Claim 18, line 8, replace “(D)IPPADLSDQVPDTESETR(I)” with --SEQ ID NO: 2--.

Claim 18, line 8, replace “(R)THLAPYSDEL(R)” with --SEQ ID NO: 3--.

Claim 18, line 9, replace “(R)RVEPYGENFNK(A)” with --SEQ ID NO: 4--.

Claim 18, line 9, replace “(R)LEPYADQLR(T)” with --SEQ ID NO: 5--.

Claim 29, lines 2-3, replace “consisting of sequence ID (R)AVFPSIVGRPR(H)” with --having a sequence identified as --SEQ ID NO: 1--.

Claim 29, line 3, replace “(D)IPPADLSDQVPDTESETR(I)” with --SEQ ID NO: 2--.

Claim 29, line 4, replace “(R)THLAPYSDEL(R)” with --SEQ ID NO: 3--.

Claim 29, line 4, replace “(R)RVEPYGENFNK(A)” with --SEQ ID NO: 4--.

Claim 29, line 4, replace “(R)LEPYADQLR(T)” with --SEQ ID NO: 5--.

Claim 30, line 3, replace “consisting of sequence ID (R)AVFPSIVGRPR(H)” with --having a sequence identified as --SEQ ID NO: 1--.

Claim 30, line 4, replace “(D)IPPADLSDQVPDTESETR(I)” with --SEQ ID NO: 2--.

Claim 30, line 4, replace “(R)THLAPYSDEL(R)” with --SEQ ID NO: 3--.

Claim 30, line 5, replace “(R)RVEPYGENFNK(A)” with --SEQ ID NO: 4--.

Claim 30, line 5, replace “(R)LEPYADQLR(T)” with --SEQ ID NO: 5--.

Claim 33, line 6, replace “consisting of sequence ID (R)AVFPSIVGRPR(H)” with

--having a sequence identified as --SEQ ID NO: 1--.

Claim 33, line 7, replace “(D)IPPADLSDQVPDTESETR(I)” with --SEQ ID NO: 2--.

Claim 33, line 7, replace “(R)THLAPYSDEL(R)” with --SEQ ID NO: 3--.

Claim 33, line 8, replace “(R)RVEPYGENFNK(A)” with --SEQ ID NO: 4--.

Claim 33, line 8, replace “(R)LEPYADQLR(T)” with --SEQ ID NO: 5--.

Claim 34, line 5, replace “consisting of sequence ID (R)AVFPSIVGRPR(H)” with --having

a sequence identified as SEQ ID NO: 1--.

Claim 34, line 6, replace "(D)IPPADLSDQVPDTESETR(I)" with --SEQ ID NO: 2--.

Claim 34, line 6, replace "(R)THLAPYSDEL(R)" with --SEQ ID NO: 3--.

Claim 34, line 7, replace "(R)RVEPYGENFNK(A)" with --SEQ ID NO: 4--.

Claim 35, line 7, replace "(R)LEPYADQLR(T)" with --SEQ ID NO: 5--.

Claim 38, lines 3-4, replace "consisting of sequence ID (R)AVFPSIVGRPR(H)" with --SEQ ID NO: 1--.

Claim 38, line 4, replace "(D)IPPADLSDQVPDTESETR(I)" with --SEQ ID NO: 2--.

Claim 38, line 5, replace "(R)THLAPYSDEL(R)" with --SEQ ID NO: 3--.

Claim 38, line 5, replace "(R)RVEPYGENFNK(A)" with --SEQ ID NO: 4--.

Claim 38, line 5, replace (R)LEPYADQLR(T)" with --SEQ ID NO: 5--.

Respectfully submitted,

Date: 3/28/2002

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